

Figure 1

Figure 2

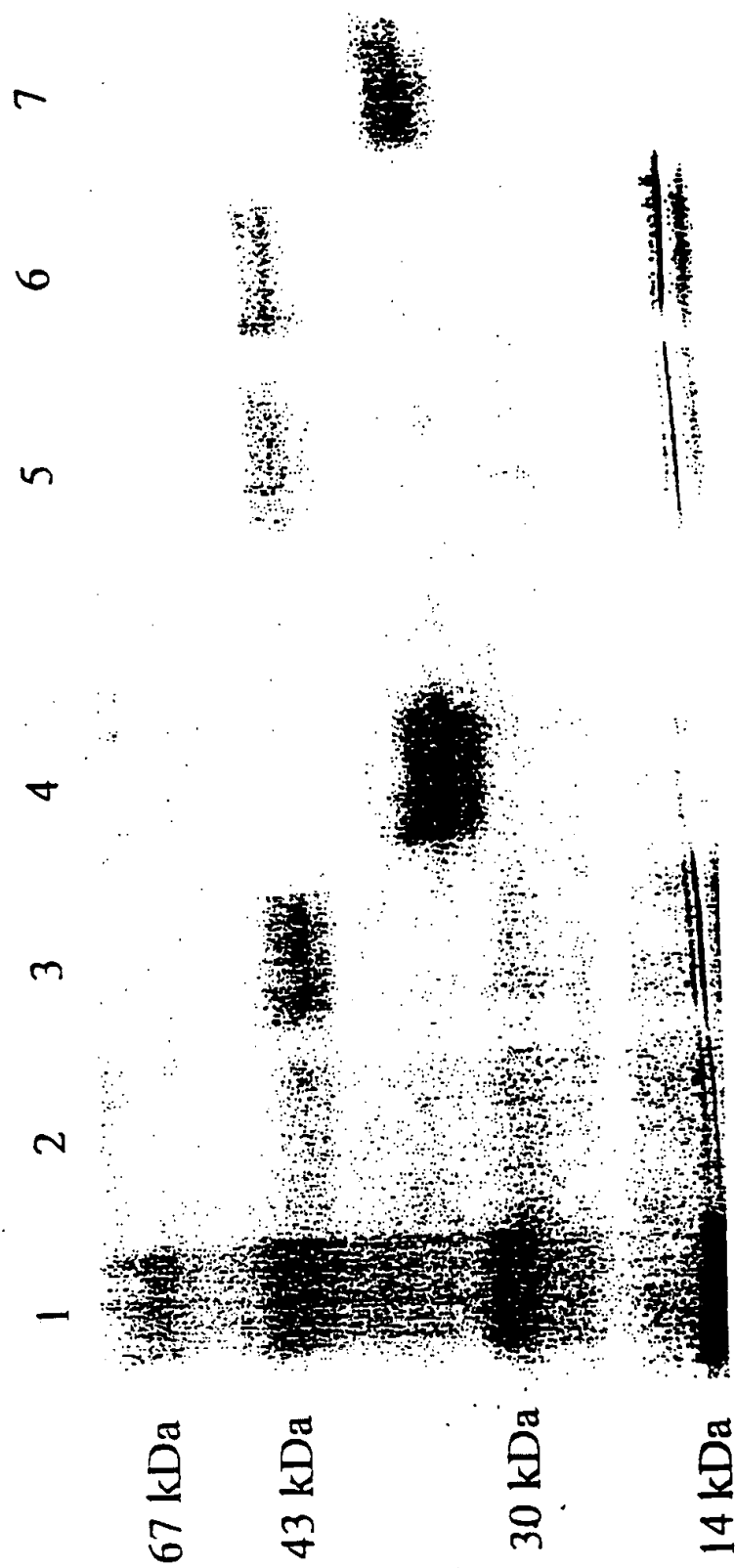
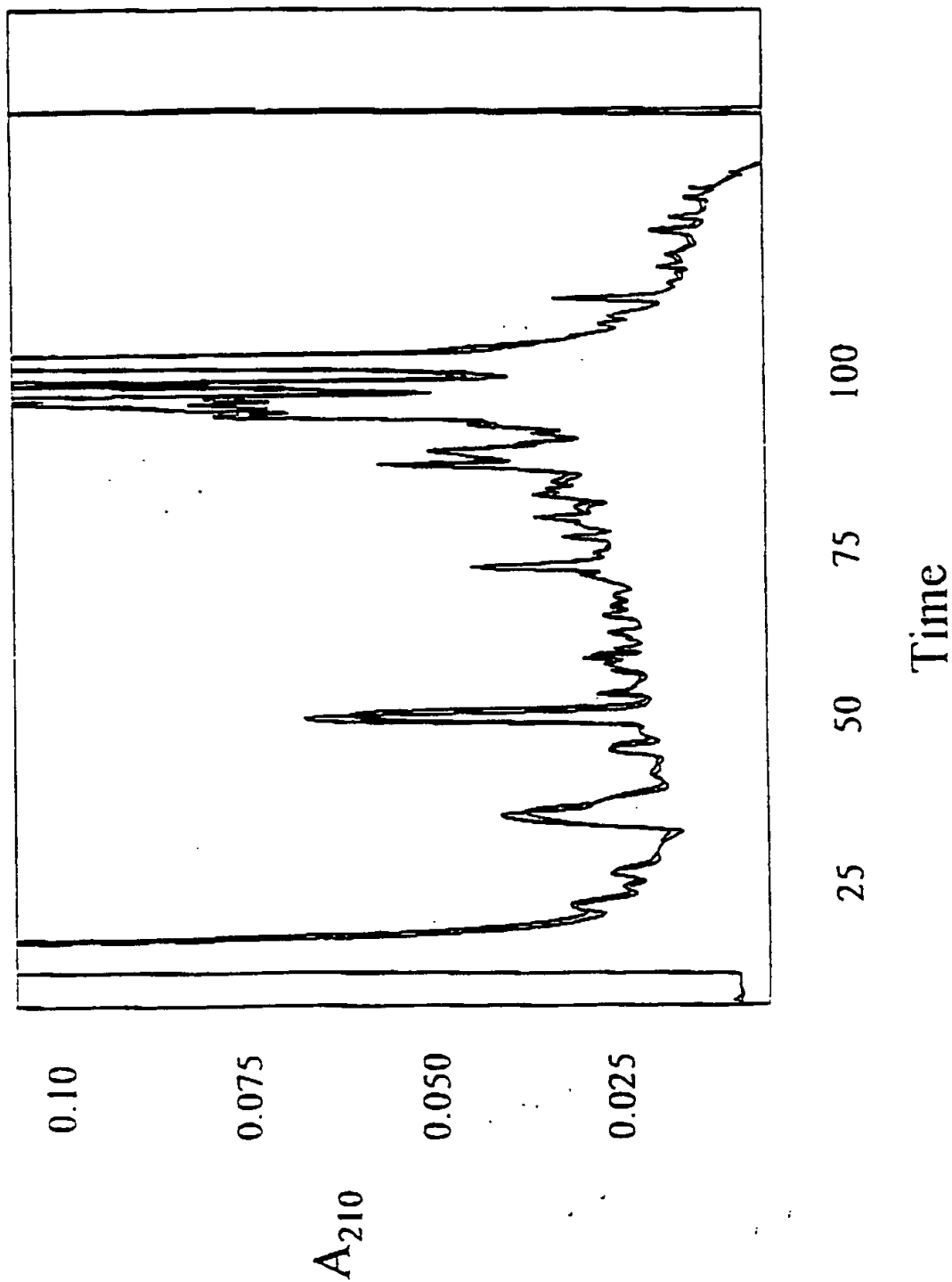


Figure 3



001130-0802200

20000

15000

10000

5000

0

Counts

A

Figure 4

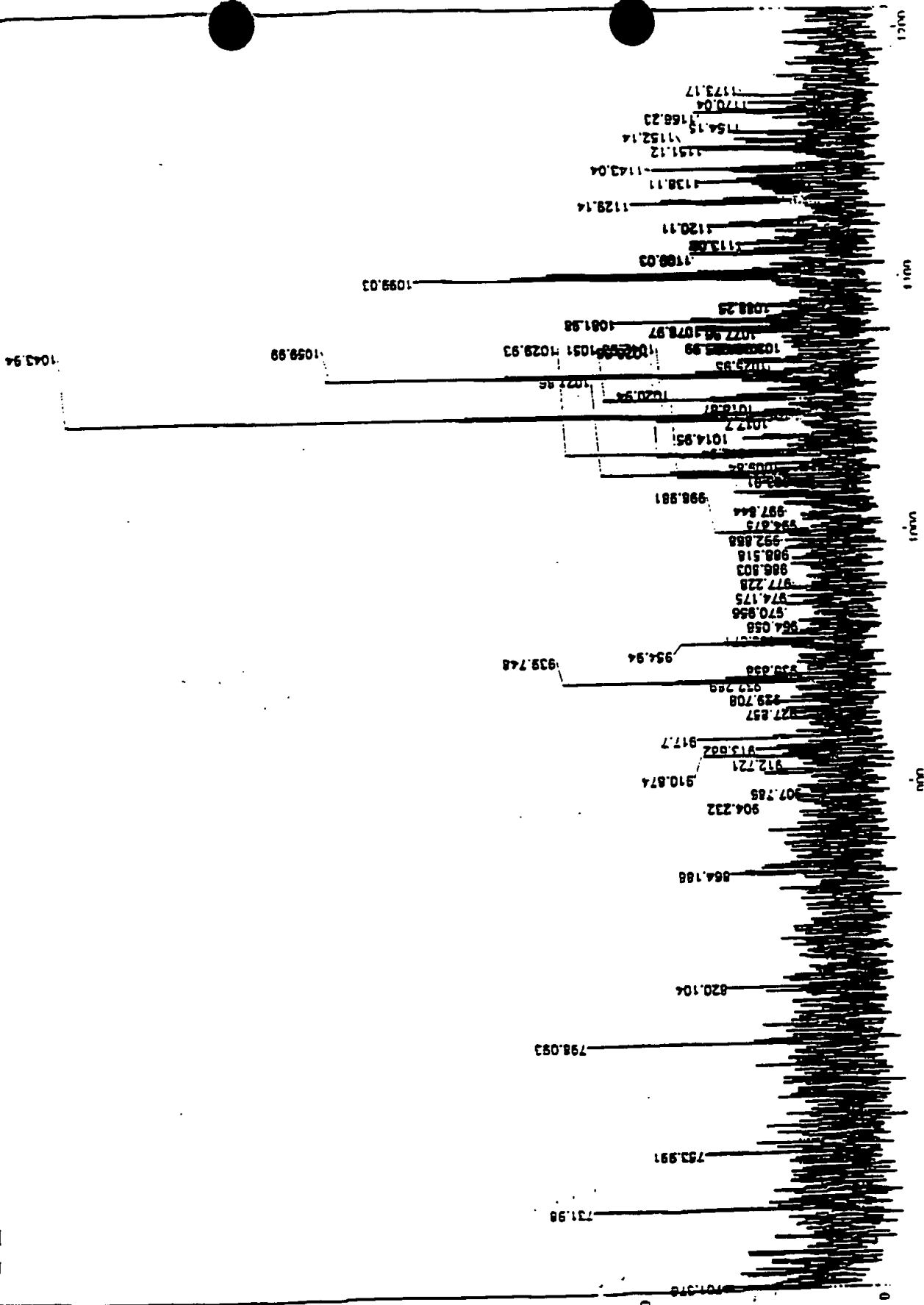


Figure 4

66T130-0822E60

B

Value
2387.12
2331.79
2290.82
2180.98
2148.45
2117
2057.34
1989.74
1981.82
1957.7
1941.11
1910.03
1892.68
1883.59
1868.47
1855.76
1801.31
1758.67
1712.48
1685.5
1633.5
1587.39
1558.34
1444.19
1242.1
1184.57
979.9
940.88

Figure 4

66T130-0822E60

B

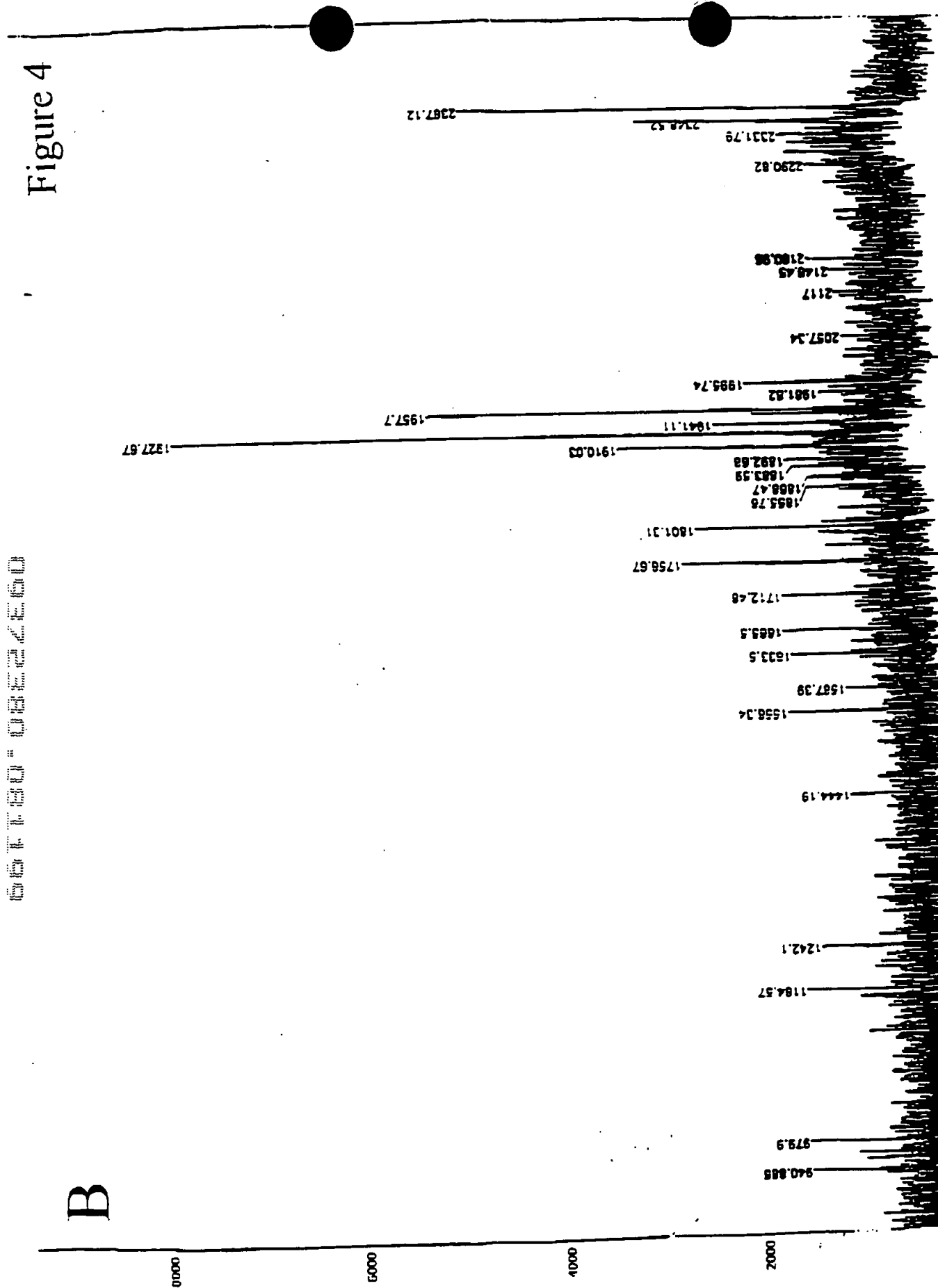
Value
2387.12
2331.79
2290.82
2180.98
2148.45
2117
2057.34
1989.74
1981.82
1957.7
1941.11
1910.03
1892.68
1883.59
1868.47
1855.76
1801.31
1758.67
1712.48
1685.5
1633.5
1587.39
1558.34
1444.19
1242.1
1184.57
979.9
940.88

Figure 4

66T130-0822E60

B

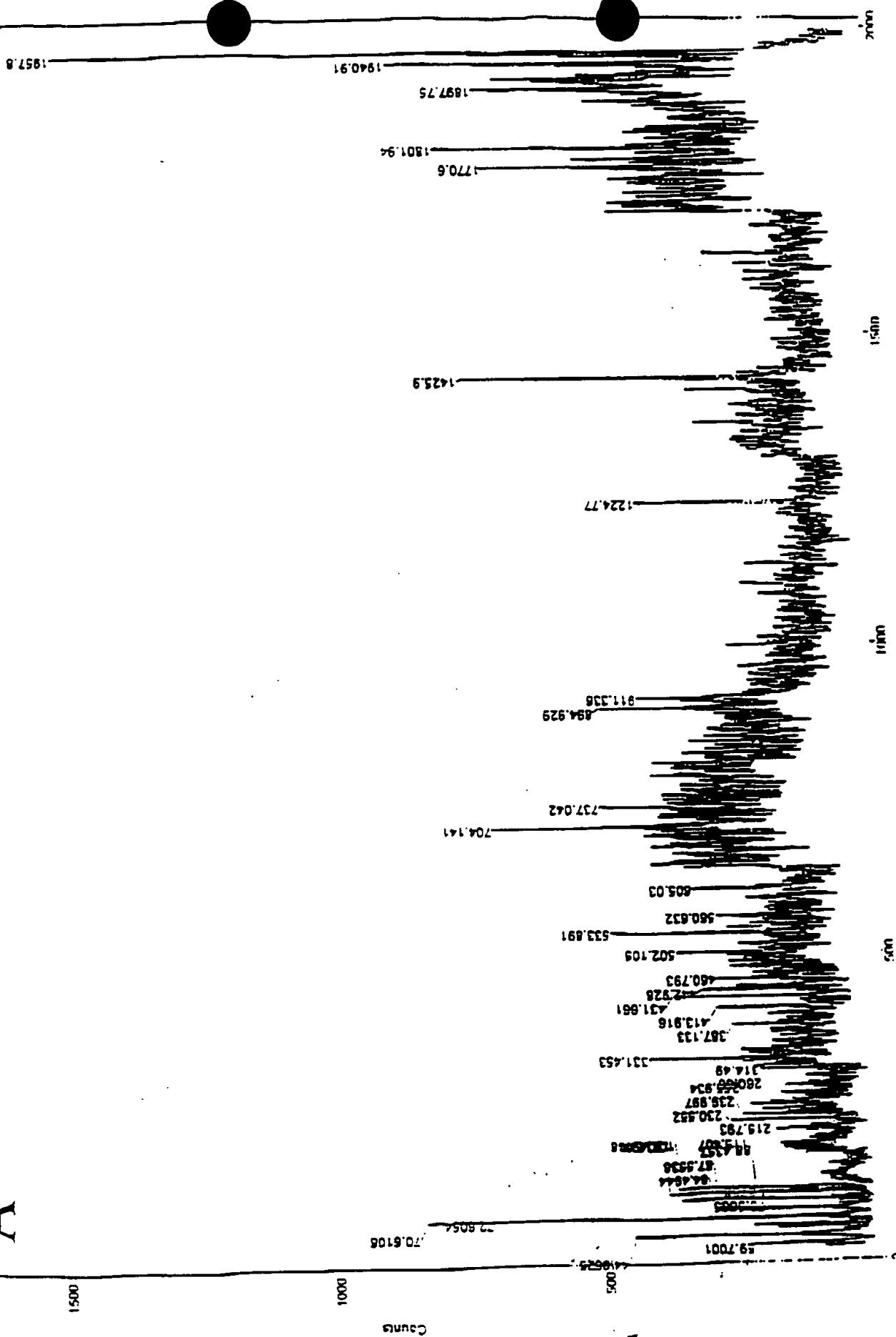
Value
2387.12
2331.79
2290.82
2180.98
2148.45
2117
2057.34
1989.74
1981.82
1957.7
1941.11
1910.03
1892.68
1883.59
1868.47
1855.76
1801.31
1758.67
1712.48
1685.5
1633.5
1587.39
1558.34
1444.19
1242.1
1184.57
979.9
940.88



097373827260

Figure 5

A



B

Figure 5

Sample ID (comment): R4A3F37m1957
 Database searched: NCBI nr. 7.5.97
 Molecular weight search (1000 - 100000 Da) selects 269572 entries.
 Species search (HOMO SAPIENS) selects 22771 entries.
 Combined molecular weight and species searches select 209333 entries.
 Number of sequences passing through parent mass filter: 84015
 Ion Types Considered: a b y n h i
 Search Mode: Unmatched Ions
 Max. # Peptide Masses Digest Max. # Missed Cysteines Peptide
 identity 5 Par(mi)Frag(av) No enzyme Used Cleavages Modified by N terminus C terminus
 Parent mass: 1957.2000 (+/- 500.0000 ppm)
 Fragment Ions used in search: 175.5, 230.3, 331.5, 387.1, 414.1, 431.7, 442.7, 448.8, 460.8, 533.8, 605.0, 704.2, 1224.8, 1425.5, 1628.6, 1801.4, 1914.9, 1940.8 (+/- 2500.00 ppm)
 Composition Ions present: [RPV][NR][KQ]FSDR
 search selects 257 entries.

Result Summary

Rank	MS-Digest (NCBI nr. 7.5.97)	Protein	MW (Da)	Species	Calculated MH+ (Da)	MH+ Error (Da)	Sequence	# Unmatched Protein Name	Ions
1	240839	1839795	21251.4	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(D82930) HLA-A26 variant	2
1	152874	915219	40679.8	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(U25971) MHC class I antigen HLA-A2407	2
1	141923	825673	20921.2	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(X82161) HLA-A alpha1 and alpha2 domains	2
1	159176	994765	41113.1	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(D32129) HLA-A26	2
1	282322	2505934	38703.4	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(Z97370) human leukocyte antigen	2
1	133479	717123	40895.1	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(U18930) MHC class I antigen HLA-A2	2
1	49436	785055	38355.8	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(M16010) HLA-A11 class I antigen (AA at 30)	2
1	277806	2394324	10423.4	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(AF017310) MHC class I antigen	2
1	277805	2394322	10430.3	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(AF017309) MHC class I antigen	2
1	277713	2394009	21027.3	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDDTQFVRFDSDAASQR(M)	(AF012767) MHC class I antigen HLA-A heavy chain	2

```
query: 1 'DCTCF:FDSOASORH 19
      VDDTQVEVFDSOASORH
object: 10H VCCICVFURFDSOASORH 121
```

```
Query: 1 VECTOF/R/EDGDAAGOP: 19
      VECTOF/R/EDGDAAGOP: 1
      VECTOF/R/EDGDAAGOP: 100
```


Figure 6

